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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE PATENT AND TRADEMARK OFFICE RY APPLICANT	ATTY. DOCKET NO. SRSLABS.257A	APPLICATION NO. 09/411,143	ECEIVE
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U.S. PATENT DOCUMENTS								
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EXAMINER		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	
nu]		WO 94/16538	12/30/93	РСТ			YES	NO
7111		WO 98/21915	10/03/97	PCT				
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)					
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EXAMINER	Tony m. Jacker	DATE CONSIDERED	3/5/04	

'EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.



#44 SHEET 1 OF 7

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SRSLABS.257A

APPLICATION NO. 09/411,143

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

APPLICANT Yuen, et al.

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EXAMINER INITIAL	DOCUMENT NUMBER	MARKO	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
rus	1,616,639	02/08/27	Sprague			
julg	1,951,669	03/20/34	Ramsey			
TWA	2,113,976	04/12/38	Bagno			
ma	2,315,248	03/30/43	De Rosa	REC	EIVE)
ny	2,315,249	03/30/43	De Rosa	af C	0 1 200	n
nug	2,461,344	02/08/49	Olson	שבט	0 1 200	0000
71111	3,170,991	02/23/65	Glasgal _	Technolo	0 1 200 gy Center	2600
nula	3,229,038	01/11/66	Richter			
7119	3,246,081	04/12/66	Edwards			
1149	3,249,696	05/03/66	Sickle			
Tuy	3,398,810	08/27/68	Clark III			
mg	3,612,211	10/12/71	Clark III			
mg	3,665,105	05/23/72	Chowning-			
7m/1	3,697,692	10/10/72	Hafler			
nin	3,745,254	07/10/73	Ohta, et al.			
mil	3,757,047	09/04/73	Ito, et al.			
nug	3,761,631	09/25/73	Ito, et al.			
7-111	3,772,479	11/13/73	Hilbert			 -
nuh	3,849,600	11/19/74	Ohshima			·
WH A	3,885,101	05/20/75	Ito, et al.			
7111	3,892,624	07/01/75	Shimada			, , , , , , , , , , , , , , , , , , ,
7m1	3,925,615	12/09/75	Nakano			
21812	3,943,293	03/09/76	Bailey			
my	4,024,344	05/17/77	Dolby, et al.			
71129	4,045,748	08/30/77	Filliman			
7mg	4,063,034	12/13/77	Peters			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
71111	4,069,394	01/17/78	Doi, et al.			
Tulf	4,118,599	10/03/78	Iwahara, et al.			
mg	4,118,600	10/03/78	Stahl			
meg	4,139,728	02/13/79	Haramoto, et al.			
mil	4,182,930	01/08/80	Blackmer			
nig	4,192,969	03/11/80	Iwahara			
mg	4,204,092	05/20/80	Bruney			
mea	4,209,665	06/24/80	lwahara			
70Mg	4,218,583	08/19/80	Poulo			·
rong	4,218,585	08/19/80	Carver			·
my	4,219,696	08/26/80	Kogure, et al.			
my	4,237,343	12/02/80	Kurtin, et al.			
my	4,239,937	12/16/80	Kampmann			
mg	4,303,800	12/01/81	DeFreitas			
nug	4,306,113	12/15/81	Morton			
prof	4,308,423	12/29/81	Cohen			
mig	4,308,424	12/29/81	Bice, Jr.			
neg	4,309,570	01/05/82	Carver			·
7-11/1	4,329,544	05/11/82	Yamada			
mg	4,332,979	06/01/82	Fischer			
mig	4,349,698	09/14/82	Iwahara			
1-ug	4,355,203	10/19/82	Cohen .			
1417	4,356,349	10/26/82	Robinson			
mj	4,393;270	07/12/83	van den Berg			
7mJ	4,394,536	07/19/83	Shima, et al.			

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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SRSLABS.257A

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APPLICANT
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
7mJ	4,479,235	10/23/84	Griffs ·			
Try	4,481,662	11/06/84	Long, et al.			
mA	4,489,432	12/18/84	Polk			
neg	4,495,637	01/22/85	Bruney .			
mil	4,497,064	01/29/85	Polk			
my	4,503,554	03/05/85	Davis			
TWA	4,567,607	01/28/86	Bruney, et al.			
mil	4,569,074	02/04/86	Polk			
TWIS	4,589,129	05/13/86	Blackmer, et al.			
my	4,593,696	06/10/86	Hochmair, et al.	-		
mg	4,594,610	06/10/86	Patel .			
mil	4,594,729	06/10/86	Weingartner			
mg	4,594,730	06/10/86	Rosen			
mis	4,622,691	11/11/86	Tokumo, et al.			
7m1	4,648,117	03/03/87	Kunugi, et al.			
mg	4,696,036	09/22/87	Julstrom			
my	4,703,502	10/27/87	Kasai, et al.			
mg	4,748,669	05/31/88	Klayman			
mig	4,790,014	12/06/88	Watanabe, et al.			
mg	4,803,727	02/07/89	Holt, et al.			
mg	4,819,269	04/04/89	Klayman			
mj	4,836,329	06/06/89	Klayman			
my	4,837,824	06/06/89	Orban			
7209	4,841,572	06/20/89	Klayman			
my	4,856,064	08/08/89	Iwamatsu			
7111	4,866,774	09/12/89	Klayman			

EXAMINER Towy m. Jacoban	DATE CONSIDERED 3/5/04
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	DISCLOSURE STATEMENT	APPLICANT Yuen, et al.	
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Tmis	4,866,776	09/12/89	Kasai, et al.			
TWIT	4,888,809	12/19/89	Knibbeler			
Tong	4,891,841	01/02/90	Bohn			
Trug	4,910,779	03/20/90	Cooper, et al.			
my	4,953,213	08/28/90	Tasaki, et al.			
meg	4,955,058	09/04/90	Rimkeit, et al.			
7m1	5,033,092	07/16/91	Sadaie			
mg	5,042,068	08/20/91	Scholten, et al.			
Tura	5,046,097	09/03/91	Lowe, et al.			
my	5,105,462	04/14/92	Lowe, et al.			
TMA	5,124,668	06/23/92	Christian	:		
12/11	5,146,507	09/08/92	Satoh, et al.			
nug	5,177,329	01/05/93	Klayman			
mig	5,180,990	01/19/93	Ohkuma			
me	5,208,860	05/04/93	Lowe, et al.			
mg	5,228,085	07/13/93	Aylward			
Tring	5,251,260	10/05/93	Gates			
mig	5,255,326	10/19/93	Stevenson			
my	5,319,713	06/07/94	Waller, Jr. et al.			
mij	5,325,435	06/28/94	Date, et al.			
my	5,333,201	07/26/94	Waller, Jr.			
Tuis	5,359,665	10/25/94	Werrbach			
7217	5,371,799	12/06/94	Lowe, et al.			
7119	5,386,082	01/31/95	Higashi			
mg	5,390,364	02/14/95	Webster, et al.			
7111	5,400,405	03/21/95	Petroff			

EXAMINER Town M. Jacobs	DATE CONSIDERED 3/	5/04

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APPLICATION NO. 09/411,143

INFORMATION DISCLOSURE STATEMENT

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7WIJ 5,420,929 05/30/95 Geddes, et al. 7WIJ 5,452,364 09/19/95 Bonham 7WIJ 5,459,813 10/17/95 Klayman 7WIJ 5,533,129 07/02/96 Gefvert 7WIJ 5,596,931 01/28/97 Rössler, et al. 7WIJ 5,638,452 06/10/97 Waller, Jr. 7WIJ 5,661,808 08/26/97 Klayman 7WIJ 5,668,885 09/16/97 Oda 7WIJ 5,771,295 06/23/98 Waller, Jr. 7WIJ 5,771,296 06/23/98 Unemura 7WIJ 5,784,468 07/21/98 Klayman	PROPRIATE	FILIN (IF APPI	SUBCLASS	CLASS	NAME	DENARDATE	DOCUMENT NUMBER	EXAMINER INITIAL
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7MM] 5,459,813 10/17/95 Klayman 7MM] 5,533,129 07/02/96 Gefvert 7MM] 5,596,931 01/28/97 Rössler, et al. 7MM] 5,638,452 06/10/97 Waller, Jr. 7MM] 5,661,808 08/26/97 Klayman 7MM] 5,668,885 09/16/97 Oda 7MM] 5,771,295 06/23/98 Waller, Jr. 7MM] 5,771,296 06/23/98 Unemura					Bonham	09/19/95	5,452,364	7241
7mf 5,596,931 01/28/97 Rössler, et al. 7mf 5,638,452 06/10/97 Waller, Jr. 7mf 5,661,808 08/26/97 Klayman 7mf 5,668,885 09/16/97 Oda 7mf 5,771,295 06/23/98 Waller, Jr. 7mf 5,771,296 06/23/98 Unemura					Klayman	10/17/95	5,459,813	- lla
7mf 5,596,931 01/28/97 Rössler, et al. 7mf 5,638,452 06/10/97 Waller, Jr. 7mf 5,661,808 08/26/97 Klayman 7mf 5,668,885 09/16/97 Oda 7mf 5,771,295 06/23/98 Waller, Jr. 7mf 5,771,296 06/23/98 Unemura					Gefvert	07/02/96	5,533,129	
7WIII 5,638,452 06/10/97 Waller, Jr. 7WIII 5,661,808 08/26/97 Klayman 7WIII 5,668,885 09/16/97 Oda 7WIII 5,771,295 06/23/98 Waller, Jr. 7WIII 5,771,296 06/23/98 Unemura					Rössler, et al.	01/28/97	5,596,931	71117
7111 5,668,885 09/16/97 Oda 5,771,295 06/23/98 Waller, Jr. 5,771,296 06/23/98 Unemura					Waller, Jr.	06/10/97	5,638,452	7/4
7007 5,771,295 06/23/98 Waller, Jr. 5,771,296 06/23/98 Unemura					Klayman	08/26/97	5,661,808	mig
7711 5,771,296 06/23/98 Unemura					Oda	09/16/97	5,668,885	72011
					Waller, Jr.	06/23/98	5,771,295	mg
77/19 5,784,468 07/21/98 Klayman					Unemura	06/23/98	5,771,296	mis
		-			Klayman	07/21/98	5,784,468	72019
7 211 5,850,453 12/15/98 Klayman, et al.		•			Klayman, et al.	12/15/98	5,850,453	7 mg
7W1 5,930,375 07/27/99 East, et al.					East, et al.	07/27/99	5,930,375	my

	FOREIGN PATENT DOCUMENTS							
EXAMINER	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION	
INITIAL						YES	NO	
1111	0 094 762 A2	05/04/83	EPO .					
7m1	0 095 902 A1	05/26/83	EPO .					
7mg	0 097 982 A3	06/02/83	EPO					
mig	0 312 406 A2	10/14/88	EPO			_		
72/17	0 320 270 A2	12/08/88	EPO					
mig	0 354 517 A2	08/07/89	EPO					
mig	0 357 402 A2	08/30/89	EPO					
mg	0 526 880 A2	08/05/92	EPO .					

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(USE SEVERAL	SHEETS IF NECESSARY)	FILING DATE October 4, 1999	GROUP 2837

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0 546 619 A2	12/03/92	EPO			120	- 110
0 637 191 A2	07/29/94	EPO				
0 699 012 A2	06/06/95	EPO .				
0 729 287 A2	02/14/96	ЕРО				
3 331 352 A1	08/29/83	Germany				
40-29936	10/20/40	Japan				
43-12585	05/30/43	Japan				
58-144989	09/29/83	Japan				
59-27692	02/21/84	Japan				
61-33600	02/28/86	Japan				
61-166696	10/16/86	Japan				
WO 87/06090	01/27/87	РСТ				
WO 91/19407	06/05/91	РСТ		_		
WO 97/42789	05/05/97	РСТ				
WO 98/46044	04/03/97	РСТ				
WO 99/26454	10/08/98	PCT				
2 016 248 A	02/02/79	United Kingdom				
2 073 977 A	03/20/81	United Kingdom				
2 154 835 A	02/14/85	United Kingdom				
2 277 855 A	05/06/93	United Kingdom				
	0 546 619 A2 0 637 191 A2 0 699 012 A2 0 729 287 A2 3 331 352 A1 40-29936 43-12585 58-144989 59-27692 61-33600 61-166696 WO 87/06090 WO 91/19407 WO 97/42789 WO 98/46044 WO 99/26454 2 016 248 A 2 073 977 A 2 154 835 A	DOCUMENT NUMBER DATE 0 546 619 A2 12/03/92 0 637 191 A2 07/29/94 0 699 012 A2 06/06/95 0 729 287 A2 02/14/96 3 331 352 A1 08/29/83 40-29936 10/20/40 43-12585 05/30/43 58-144989 09/29/83 59-27692 02/21/84 61-33600 02/28/86 61-166696 10/16/86 WO 87/06090 01/27/87 WO 91/19407 06/05/91 WO 97/42789 05/05/97 WO 98/46044 04/03/97 WO 99/26454 10/08/98 2 016 248 A 02/02/79 2 073 977 A 03/20/81 2 154 835 A 02/14/85	DOCUMENT NUMBER DATE COUNTRY 0 546 619 A2 12/03/92 EPO 0 637 191 A2 07/29/94 EPO 0 699 012 A2 06/06/95 EPO 0 729 287 A2 02/14/96 EPO 3 331 352 A1 08/29/83 Germany 40-29936 10/20/40 Japan 43-12585 05/30/43 Japan 58-144989 09/29/83 Japan 59-27692 02/21/84 Japan 61-33600 02/28/86 Japan 61-166696 10/16/86 Japan WO 87/06090 01/27/87 PCT WO 91/19407 06/05/91 PCT WO 97/42789 05/05/97 PCT WO 98/46044 04/03/97 PCT WO 99/28454 10/08/98 PCT 2 016 248 A 02/02/79 United Kingdom 2 154 835 A 02/14/85 United Kingdom	DOCUMENT NUMBER DATE COUNTRY CLASS 0 546 619 A2 12/03/92 EPO	DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS 0 546 619 A2 12/03/92 EPO	DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANS YES

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)				
Tuj	Schroeder, M.R., "An Artificial Stereophonic Effect Obtained from a Single Audio Signal", Journal of the Audio Engineering Society, Volume 6, Number 2, pp. 74-79, April 1958.				
my	Kurozumi, K., et al., "A New Sound Image Broadening Control System Using a Correlation Coefficient Variation Method", Electronics and Communications in Japan, Volume 67-A, No. 3, pp. 204-211, March 1984.				
my	Sundberg, J., "The Acoustics of the Singing Voice", The Physics of Music, pp. 16-23, 1978.				
141	Ishihara, M., "A New Analog Signal Processor For A Stereo Enhancement System", IEEE Transactions on Consumer Electronics, Vol. 37, No. 4, p. 806-813, November 1991.				

EXAMINER TOWN M. Jarlyn	DATE CONSIDERED 3/5/04
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(USE SEVERA	L SHEETS IF NE ESSARY)	FILING DATE October 4, 1999	GROUP 2837

EXAMINER INITIAL	OTHER DOCEMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
747	Allison, R., "The Loudspeaker / Living Room System", Audio, pp. 18-22, November 1971.
ruj	Vaughan, D., "How We Hear Direction", Audio, pp. 51-55, December 1983.
7141	Stevens, S., et al., "Chapter 5: The Two-Eared Man", Sound And Hearing, pp. 98-106 and 196, 1965.
7217	Eargle, J., "Multichannel Stereo Matrix Systems: An Overview", Journal of the Audio Engineering Society, pp. 552-558 (no date listed).
my	Wilson, Kim, "AC-3 Is Here! But Are You Ready To Pay The Price?", Home Theater, pp. 60-65, June 1995.
TMA	Kaufman, Richard J., "Frequency Contouring For Image Enhancement", Audio, pp. 34-39, February 1985.
Truj	Philips Components, "Integrated Circuits Data Handbook: Radio, audio and associated systems, Bipolar, MOS, CA3089 to TDA1510A", October 7, 1987, pp. 103-110.

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EXAMINER Tony M. Jawhn

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